Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/26/2017 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124183	-1	2.09	124072	2.08
Blue	F	SSC	125000	123525	-2	3.02	123830	2.83
Blue	E	FITC	22946	21937	-5	2.49	974	9.71
Blue	D	PE	28770	28303	-2	2.10	1017	9.30
Blue	B	PerCP-Cy5-5	51099	50748	-1	3.40	1458	16.22
Blue	A	PE-Cy7	42312	41713	-2	5.01	644	34.24
Red	C	APC	52169	51487	-2	2.86	2967	9.36
Red	A	APC-Cy7	56705	55612	-2	2.85	1147	11.28
Violet	B	V450	14708	13853	-6	4.62	665	9.15
Violet	A	V500	58608	57207	-3	4.38	2538	6.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18101	9.14	599	1	N/A	N/A	Pass
Blue	F	SSC	61176	1.59	531	13	N/A	N/A	Pass
Blue	E	FITC	110	37.51	535	4	0.0238	182	Pass
Blue	D	PE	223	28.24	533	7	0.1881	288	Pass
Blue	B	PerCP-Cy5-5	228	43.10	629	7	0.0111	102	Pass
Blue	A	PE-Cy7	71	112.57	677	6	0.0128	13	Pass
Red	C	APC	345	27.58	593	3	0.0211	89	Pass
Red	A	APC-Cy7	127	40.07	578	2	0.0055	1559	Pass
Violet	B	V450	80	41.01	465	6	0.0473	1765	Pass
Violet	A	V500	184	22.65	495	7	0.0143	379	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.12	-30.80	0.86
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.21	13.27 - 19.91	N/A	N/A	31.14	31.37	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9782

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments